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APR 2 6 2005 CKET NO.: CRNT-0068

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Application of: Paul A. Kline et al.

Confirmation No.: 8699

APR 2 9 2003

Serial No.: 10/075,332

Group Art Unit: 2182

Technology Center 2100

Filing Date: February 14, 2002

Examiner: Not yet known

For: APPARATUS AND METHOD FOR COUPLING DATA TO AND FROM A

POWER LINE (AS AMENDED)

DATE OF DEPOSIT:

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, DC 20231.

TYPED/NAME: Vincent J. Roccia REGISTRATION NO.: 43,887

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee as required.

DOCKET NO	D.: CRNT-000	· - 2 -	•	PATENT
	In accordance	with § 1.129(a), this	Information Disclo	osure Statement is being
	filed in conne	ection with the fi	rst or second	After Final Submission,
	therefore:			
		Certification in Acco	ordance with § 1.97	(e) is attached; or
		The fee of \$180.00 a	s set forth in § 1.17	(p) is attached.
	In accordance	with § 1.97(c), this	Information Disclo	sure Statement is being
	filed after the	period set forth in § 1	.97(b) above but be	efore the mailing date of
	either a Final	Action under § 1.113	or a Notice of Allo	wance under § 1.311, or
	before an action	on that otherwise clos	es prosecution in th	e application, therefore:
		Certification	in Accordance wit	h § 1.97(e) is attached;
		or		
		The fee of <u>\$1</u>	80.00 as set forth in	n § 1.17(p) is attached.
	In accordance	with § 1.97(d), this	Information Disclo	sure Statement is being
	filed after the	mailing date of eithe	r a Final Action un	der § 1.113 or a Notice
	of Allowance	under § 1.311 but be	fore, or simultaneo	ously with, the payment
	of the Issue I	Fee, therefore include	d are: Certification	n in Accordance with §
	1.97(e); and the	ne submission fee of §	180.00 as set forth	in § 1.17(p).
\boxtimes	Copies of eac	ch of the references l	isted on the attach	ed Form PTO-1449 are
	enclosed here	with.		
	Copies of re	ferences listed on th	e attached Form I	PTO-1449 are enclosed
	herewith			
	EXCEPT TH	AT:		
				ees [list as appropriate],
	and th	e likelihood that thes	e references are av-	ailable to the Examiner,
	aoni an	are not englosed here	with	

DOCKET NO.: CRNT-0068 -3- PATENT

In accordance with § 1.98(d), copies of the following references listed
on the attached Form PTO-1449 are not enclosed herewith because
they were previously cited by or submitted to the U.S. Patent and
Trademark Office in patent application(s) for which a claim for priority
under 35 U.S.C.§ 120 have been made in the instant application:
Copies of references [list as appropriate] listed on the attached Form
PTO-1449 were previously cited by or submitted to the Patent and
Trademark Office in prior application Serial No. , filed .
If any of the foregoing publications are not available to the
Examiner, Applicant will endeavor to supply copies at the
Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Enclosed is a copy of the PCT/US02/04300 Written Opinion dated March 21, 2003, which indicates the references considered to be relevant

English language abstracts have been provided for those listed references which are not in the English language.

Date: 4/14/03

Vincent J. Roccia

Registration No. 43,887

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(To be used when the space in any of the preceding boxes is not sufficient)

that communication capability and flexibility are expanded by virtue of 2-way communication between two stations.

- b) Modulators and demodulators would have been inherent of said transmitters and receivers indicated above, amplifiers would have been obvious for situations where signal strength requires amplification to meet specification of the communication circuitry, and filters would have been obvious where excessive noise is present.
 - c) Wireless transceiver is met by 205, 206 of Paull.
- d) Coaxial cable receiver is met by Figs. 1 & 4 of Osterman wherein Fig. 1 shows the tapped receiver is communicating with coaxial cable 40, while the obvious use of a 2 way communicating transceiver is considered above.
- e) It would have been obvious to one of ordinary skill in the art at the time of the claimed invention that the invention taught by Osterman and Paull can be applied to other environments including various types of power cables such as one having at least one thousand volts.
- f) It would have been obvious that the transceiver be implemented in the form of a known modern for communicating the data further along a communications network having other moderns and routers, etc., or other communication devices including those requiring adherence to network related standards such as IEEE 802.11, in applications where a network is advantageous such as when data destinations are large in number and/or separated by vast distances.
- g) Since the power line tapping and transceiver system is for communicating data from one destination to another through the power line as an intermediate medium, it would have been obvious to one of ordinary skill in the art at the time of the claimed invention that one or more destinations can be an intermediate one coupled to another power line using similar coupling and communicating arrangements.
- IV. <u>Claims 67 and 81</u> lack an inventive step under PCT Article 33(3) as being obvious over Osterman in view of Paull and Skinner, Sr. (US pat. #4,664,002).
 - 1) In considering claims 67, Osterman made obvious all of the claimed subject matter as in claim 66, and furthermore:
- a) Skinner, Sr. teaches in a similar system that the transceiver (32) can be fiber optic (14) type. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the claimed invention that the transceiver in a system such as taught by Osterman and Paull can be chosen to be of the fiber optic type if the data delivered is destined for optical fibers.

US 5,410,720 A (OSTERMAN) 25 April 1995, see Figs. 1 & 4. US 5,994,998 A (FISHER et al.) 30 November 1999, see Figs. 1-3. US 4,016,429 A (VERCELLOTTI et al.) 05 April 1977, see Figs. 4-7. US 3,641,536 A (PROSPRICH) 08 February 1972, see Figs. 5a-5b. US 5,426,360 A (MARAIO et al.) 20 June 1995, see Figs. 1-4 & 7.

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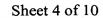
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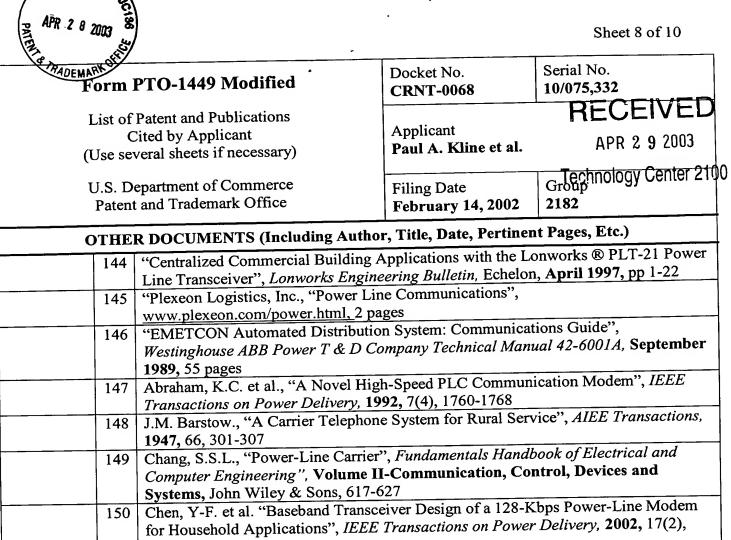
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Group Filing Date 2182 February 14, 2002

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Applicant

Paul A. Kline et al.

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